RAW SEQUENCE LISTING

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Application Serial Number: 10/528,748Source: 10/528,748Date Processed by STIC: 10/528,748

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RAW SEQUENCE LISTING DATE: 03/30/2005 PATENT APPLICATION: US/10/528,748 TIME: 14:14:12

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3 <110> APPLICANT: JUNGHANS, Claas
             SCHROFF, Matthias
      4
              JUHLS, Christiane
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             OSWALD, Detlef
      8 <120> TITLE OF INVENTION: Vaccine against Oncovirus Infections, such as infections by
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     11 <130> FILE REFERENCE: NHL-NP-49-NP
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/528,748
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     13 <150> PRIOR APPLICATION NUMBER: DE 102 44 863.9
     14 <151> PRIOR FILING DATE: 2002-09-23
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    17 <151> PRIOR FILING DATE: 2003-09-19
    19 <160> NUMBER OF SEQ ID NOS: 40
    21 <170> SOFTWARE: PatentIn version 3.3
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RAW SEQUENCE LISTING DATE: 03/30/2005
PATENT APPLICATION: US/10/528,748 TIME: 14:14:12

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210 His Gly Ala Arg Tyr Ser Ser Lys Tyr Gly Cys Lys Thr Thr Asp
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214 Arg Lys Lys Gln Gln Gln Thr Tyr Pro Phe Tyr Val Cys Pro Gly His
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218 Ala Pro Ser Leu Gly Pro Lys Gly Thr His Cys Gly Gly Ala Gln Asp
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223 145
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226 Lys Pro Thr Ser Ser Trp Asp Tyr Ile Thr Val Lys Arg Gly Ser Ser
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230 Gln Asp Asn Ser Cys Glu Gly Lys Cys Asn Pro Leu Val Leu Gln Phe
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234 Thr Gln Lys Gly Arg Gln Ala Ser Trp Asp Gly Pro Lys Met Trp Gly
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238 Leu Arg Leu Tyr Arg Thr Gly Tyr Asp Pro Ile Ala Leu Phe Thr Val
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242 Ser Arg Gln Val Ser Thr Ile Thr Pro Pro Gln Ala Met Gly Pro Asn
243 225
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246 Leu Val Leu Pro Asp Gln Lys Pro Pro Ser Arg Gln Ser Gln Thr Gly
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254 Ser Val Ala Pro Thr Thr Met Gly Pro Lys Arg Ile Gly Thr Gly Asp
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255
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271 340 343 330
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274 Set Gid var Set Giy Gin Giy Met Cys Tie Giy Till var Pro Lys Till 275 355 360 365
278 His Gln Ala Leu Cys Asn Lys Thr Gln Gln Gly His Thr Gly Ala His
279 370 375 380
282 Tyr Leu Ala Ala Pro Asn Gly Thr Tyr Trp Ala Cys Asn Thr Gly Leu 283 385 390 395 400
286 Thr Pro Cys Ile Ser Met Ala Val Leu Asn Trp Thr Ser Asp Phe Cys
287 405 410 415
290 Val Leu Ile Glu Leu Trp Pro Arg Val Thr Tyr His Gln Pro Glu Tyr
291 420 425 430
294 Val Tyr Thr His Phe Ala Lys Ala Val Arg Phe Arg Arg Glu Pro Ile
295 435 440 445
298 Ser Leu Thr Val Ala Leu Met Leu Gly Gly Leu Thr Val Gly Gly Ile
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302 Ala Ala Gly Val Gly Thr Gly Thr Lys Ala Leu Leu Glu Thr Ala Gln
303 465 470 475 480
306 Phe Arg Gln Leu Gln Met Ala Met His Thr Asp Ile Gln Ala Leu Glu
307 485 490 495 310 Clu Sor Ilo Sor Ala Lou Clu Luc Sor Lou The Sor Lou Sor Clu Vol
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318 Gly Leu Cys Ala Ala Leu Lys Glu Glu Cys Cys Phe Tyr Ala Asp His 319 530 535 540
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330 Phe Asn Lys Ser Pro Trp Phe Thr Thr Leu Ile Ser Ser Ile Met Gly
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334 Pro Leu Leu Ile Leu Leu Leu Leu Leu Phe Gly Pro Cys Ile Leu
335 595 600 605
338 Asn Arg Leu Val Gln Phe Val Lys Asp Arg Ile Ser Val Val Gln Ala
339 610 615 620
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RAW SEQUENCE LISTING DATE: 03/30/2005
PATENT APPLICATION: US/10/528,748 TIME: 14:14:12

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357 <221> NAME/KEY: PEPTIDE
358 <222> LOCATION: (1)..(508)
359 <223> OTHER INFORMATION: Amino acid sequence of the protein corresponding to Seq.ID2
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375 Gly Trp Pro Arg Glu Gly Thr Phe Thr Ile Asp Asn Ile Ser Gln Val
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379 Glu Glu Arg Ile Phe Ala Pro Gly Pro Tyr Gly His Pro Asp Gln Ile
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383 Pro Tyr Ile Thr Thr Trp Arg Ser Leu Ala Thr Asp Pro Pro Pro Trp
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387 Val Arg Pro Phe Leu Pro Pro Pro Lys His Pro Arg Thr Asp Pro Pro
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391 Glu Pro Leu Ser Pro Gln Pro Leu Ala Pro Gln Pro Ser Ser Pro His
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395 Pro Val Leu Tyr Pro Val Leu Pro Lys Pro Asp Pro Pro Lys Ala Pro
399 Val Leu Pro Pro Asn Pro Ser Ser Pro Leu Ile Asp Leu Leu Thr Glu
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403 Glu Pro Pro Pro Tyr Pro Gly Gly His Gly Pro Thr Pro Pro Ser Gly
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407 Pro Arg Thr Pro Thr Ala Ser Pro Ile Ala Ile Arg Leu Arg Glu Arg
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411 Arg Glu Asn Pro Ala Glu Lys Ser Gln Ala Leu Pro Leu Arg Glu Asp
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415 Pro Asn Asn Arg Pro Gln Tyr Trp Pro Phe Ser Ala Ser Asp Leu Tyr
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419 Asn Trp Lys Leu His Asn Pro Pro Phe Ser Gln Asp Pro Val Ala Leu
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423 Thr Asn Leu Ile Glu Ser Ile Leu Val Thr His Gln Pro Thr Trp Asp
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431 Arg Val Leu Leu Glu Ala Arg Lys Gln Val Pro Gly Glu Asp Gly Arg
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439 Pro Asn Trp Asp Phe Cys Thr Pro Ala Gly Arg Glu His Leu Arg Leu
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VERIFICATION SUMMARY

DATE: 03/30/2005

PATENT APPLICATION: US/10/528,748

TIME: 14:14:13

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